



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Frank L. Hall

**Serial No.:** 09/863,676

**Filed:** May 21, 2001

**For:** METHODS FOR PREPARING BALL  
GRID ARRAY SUBSTRATES VIA USE OF  
A LASER

**Confirmation No.:** 1281

**Examiner:** S. Heinrich

**Group Art Unit:** 1725

**Attorney Docket No.:** 2269-4718US

**Notice of Allowance Mailed:**

October 6, 2003

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

December 22, 2003  
Date

Signature

Deidra J. Pfeil

Name (Type/Print)

**TRANSMITTAL OF FORMAL DRAWINGS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached please find the formal drawings for this application.



**Serial No. 09/863,676**

Respectfully submitted,

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